

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/749,052-Conf. #7395
		Filing Date	December 30, 2003
		First Named Inventor	Ian G. BOLTON
		Art Unit	2192
		Examiner Name	E. B. Kiss
Sheet	1	of	4
		Attorney Docket Number	1801270.00138US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-20010042172	11-15-2001	Duesterwald et al.	
	AB*	US-20040154009	08-05-2004	Reynaud	
	AC*	US-20040221278	11-04-2004	Dankel et al.	
	AD*	US-20040221280	11-04-2004	Bolton et al.	
	AE*	US-20040255279-A1	12-16-2004	Rawsthorne et al.	
	AF*	US-20050010891	01-13-2005	Chaiken et al.	
	AG*	US-5,652,889	07-29-1997	Sites	
	AH*	US-5,751,982	05-12-1998	Morley	
	AI*	US-5,768,593	06-16-1998	Walters et al.	
	AJ*	US-5,828,884	10-27-1998	Lee et al.	
	AK*	US-5,842,017	11-24-1998	Hookway et al.	
	AL*	US-5,867,690	02-02-1999	Lee et al.	
	AM*	US-5,970,236	10-19-1999	Galloway et al.	
	AN*	US-6,002,879	12-14-1999	Radigan et al.	
	AO*	US-6,021,275	02-01-2000	Horwat	
	AP*	US-6,085,203	07-04-2000	Ahlers et al.	
	AQ*	US-6,099,585	08-08-2000	Godfrey	
	AR*	US-6,189,141	02-13-2001	Benitez et al.	
	AS*	US-6,237,141	05-22-2001	Holzle et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
	BA	EP-0908819	04-14-1999	Sun Microsystems	✓
	BB	GB-2367652	04-10-2002	Advanced Risc Mach Ltd	✓
	BC	WO-00/24649	05-04-2000		✓
	BD	WO-01/027751	04-19-2001		✓

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08b (09-08)

Approved for use through 10/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/749,052-Conf. #7395
				Filing Date	December 30, 2003
				First Named Inventor	Ian G. BOLTON
				Art Unit	2192
				Examiner Name	E. B. Kiss
Sheet	3	of	4	Attorney Docket Number	1801270.00138US1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	"Analysis of the Virtual Method Invocation for Binary Translation." Proceedings of the Ninth Conference on Reverse Engineering. Troger and Clifuentes. pages 65-74.	
	CB	<del>"Program of MacHack 96 (confirming the publication date of document D1) Online."</del> <del>XP002306546.</del>	
	CC	Altman et al. IBM Search Report. "BOA: The Architecture of a Binary Translation Processor. December 16, 1999.	
	CD	Bala, Vasanth et al. "Dynamo: A Transparent Dynamic Optimization System." PLDI 2000. pages 1-12.	
	CE	Cifuentes C et al. "The Design of a Resourceable and Retargetable Binary Translator." Reverse Engineering. 1999. Proceedings Sixth Working Conference on Atlanta, Georgia. pages 280-291. XP010360118.	
	CF	Ebcioğlu et al. "Dynamic Binary Translation and Optimization." IEEE, Transactions on Computers. Vol. 50, No. 6, June 2001. pages 529-548.	
	CG	Erik Altman et al. "Welcome to the Opportunities of Binary Translation." pages 40-45. IEEE.	
	CH	Ertl, M. Anton. "A Portable Forth Engine." In EuroForth 1993 Conference Proceedings. pages 1-5.	
	CI	Heoletter, Matthew J. "Executor Internals: How to Efficiently Run Mac Programs on PCs Online." 1996. XP002200303.	
	CJ	International Search Report for International Patent Application No. PCT/GB2004/001722 mailed February 3, 2005.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/05b (09-08)

Approved for use through 10/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/749,052-Conf. #7395
				Filing Date	December 30, 2003
				First Named Inventor	Ian G. BOLTON
				Art Unit	2192
				Examiner Name	E. B. Kiss
Sheet	4	of	4	Attorney Docket Number	1801270.00138US1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CK	International Search Report from International Patent Application No. PCT/GB2004/001744 mailed November 23, 2004.	
	CL	Palaniswamy A C et al. "An Efficient Implementation of Lazy Reevaluation." Proceedings of the 25th Annual Simulation Symposium." IEEE. 1992. pages 140-146. XP010028446.	
	CM	Sun Microsystems. "The Java Hotspot Virtual Machine." V.1.41, d2. A Technical White Paper. September 2002.	
	CN	Ung, David et al. "Machine Adaptable Dynamic Binary Translation." Proceedings of the ACM Sigplan Workshop on Dynamic and Adaptive Compilation and Optimization. January 2000. pages 41-51. XP002279759.	
	CO	United Kingdom Search Report from United Kingdom Patent Application No. GB0320718.0 dated February 24, 2004.	
	OP	Chang et al: Performance Implications of Design alternatives for Remote procedure call stubs	
	CO	www.ardl.com/SysPaper/node5.html, "Native Code."	

Examiner Signature	/Eric B. Kiss/	Date Considered	01/31/2009
-----------------------	----------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.